

One of these Plants, whose branch seem'd to be older and more grown then the other, onely the tender Sprouts of it, after the leaves are shut, fall and hang down; of the other, the whole branches fall to the ground, if the Sun shine very warm, upon the first taking off the Glasse, which I therefore call the *humble Plant*.

The other two, which do never fall, nor do any of their branches flagg and hang down, shut not their leaves, but upon somewhat a hard stroke; the stalks seem to grow up from a root, and appear more *herbaceous*, they are round and smooth, without any prickle, the Sprouts from them have several pairs of sprigs, with much less leaves then the other on them, and have on each sprig generally seventeen pair.

Upon touching any of the sprigs with leaves on, all the leaves on that sprig contracting themselves by pairs, joyned their upper superficies close together.

Upon the dropping a drop of *Aqua fortis* on the sprig betwixt the leaves, *ff* all the leaves above shut presently, those below by pairs successively after, and by the lower leaves of the other branches, *ll*, *kk*, &c. and so every pair successively, with some little distance of time betwixt, to the top of each sprig, and so they continu'd shut all the time we were there. But I returning the next day, and several days since, found all the leaves dilated again on two of the sprigs; but from *ff*, where the *Aqua fortis* had dropped upwards, dead and withered; but those below on the same sprig, green, and closing upon the touch, and are so at this day, *August 14*.

With a pair of Scissers, as suddenly as it could be done, one of the leaves *bb* was clipped off in the middle, upon which that pair, and the pair above, closed presently, after a little interval, *dd*, then *ee*, and so the rest of the pairs, to the bottom of the sprig, and then the motion began in the lower pairs, *ll*, on the other sprigs, and so shut them by pairs upwards, though not with such distinct distances.

Under

Under a pretty large branch with its sprig, a large Shell betwixt two and three Inches be rubbed on a strong sented oyl, after a little time that sprig were shut, and so they continued all stay there, but at my returne the next day, I found of the Shell alter'd, and the leaves expanded closing upon the touch.

Upon the application of the Sun-beams by the more *humble Plant* fell, the other shut their

We could not so apply the smoak of Sulphur, visible effect from that, at two or three times together trial, the smoak touching the leaves, it succeeded.

The *humble Plant* fell upon taking off the Glass was covered.

Cutting off one of the little Sprouts, two or three quor were thrust out of the part from whence they were cleer, and pellucid, of a bright greenish colour, a little bitterish, but after leaving a licorish-like taste.

Since, going two or three times when it was taken from the more *humble Plant*, and it did not open, but shut its leaves onely. But coming after the Sun shone very warm, as soon as it was taken off, it was before.

Since I pluck'd off another sprig, whose leaves were shut and had been so some time, thinking to observe what should come from that I had broken off, but though with pressing, to come, I, as dexterously, cut off one whose leaves were expanded, and then having a ring of the leaves, a little of the mention'd liquor of the sprig I had broken from the Plant. And so successively, as often almost as I durst rob the Plant.

But my curiosity carrying me yet further, I took the harder branches of the stronger Plant, and